

Approved For Release 2003/06/20 : CIA RDP86O00819R000100240045		DATE September 1974
SPEED LETTER		LETTER NO.
TO : D/L ATTN:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
		FROM: OL/EO/BF
<p style="text-align: center;">X Mission</p> <p>Mike - Re suggested strategy on OJCS air handlers:</p> <p>O/Comp supports our view that operating components are responsible for funding utilities requirements for installations controlled by operating components. (Policy statement included in Budget Call FY 76 dated July 1974)</p> <p>Within this frame of reference I suggest that OJCS shouldn't come to us with their funding problem--it should be presented to DD/A for resolution. I agree with Glenn that if we were to fund it from Engineering Support we would be establishing a bad precedent.</p> <p>From the practical viewpoint I believe that Engineering Support probably has enough money to cover the job without jeopardy to any of our requirements.</p> <p><u>Suggestion:</u> Advise OJCS to present their problem to DD/A. At the same time we can <u>informally</u> advise DE/A that we can provide temporary help in meeting this funding problem. Since the fiscal year is just starting, we can fund the requirement. However, if at a later date we find we are in trouble because of the charge, we will look to DD/A to bail us out.</p> <p style="text-align: right;"><i>Mike</i></p>		
		SIGNATURE
REPLY		DATE
<p>P.S. I find it very hard to believe that as of 3 September 1974 with 10 months remaining in the FY that OJCS doesn't have the money.</p> <p>B</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> <p style="text-align: right;"><i>See Air Handler - Pg n 603</i></p>		
		SIGNATURE
RESPONDER'S FILE		

see Air Handler - Bm 6 co 3

SIGNATURE

RESPONDER'S FILE

FORM
5-67 1831

USE PREVIOUS
EDITIONS

3,472
,495

2 years @ $\$7 \times 45,000 = \$30,000$ ~~say \$30,000~~
 $(\$6 \text{ rental} + .50 \text{ moving ea. way})$
 Renovations @ $\$10 = +50,000$
 $\frac{\$60,000}{\$1,000,000}$
 say $\$1,000,000$

Computer Center ESTIMATE South side first floor
 based on 45000 sq. feet area.

Demolition \$ 65,700

Remove walls, ceilings, electric, hallway

New ceiling 45,000 ft $\frac{210,000}{\text{illumination, air distribution}}$

New SPV perimeter walls
 internal partition walls, steel window

New partitions, fire barrier,

fire barriers & subdivisions 25,000 ft $\frac{40,000}{}$

New Doors: 800 $\frac{7,200}{}$

Repaint interior walls. $\frac{2,000}{}$

Pedestal floor 45000 ft $\frac{200,000}{}$

$\frac{578,700}{\text{sub total}} \frac{579,000}{\text{to } 60,000} \frac{200}{\frac{572,000}{1,500,000}} \frac{1,675,000}{}$

HVAC

Electric & Telephone $\frac{760,000}{}$

Data Grid extension $\frac{30,000}{}$

sub $\frac{2,270,000}{3,260}$

Total L & M direct cost. $\frac{2,869,000}{}$

$\frac{972,000}{675,000}$
 $\frac{760,000}{30,000}$
 $\frac{2,437}{}$

$\frac{\$3,260,000}{\text{say } 3,250}$

Contractors direct cost. 2,400 3,250
~~2,869,000.00~~

10% security & commission on sub. 240 + 2,87,080.00
 2.5% overhead & profit. 600 ⁸¹²
3,240 + 720,080.00
 Estimated Award. 3,240 3,240
 Contingency 15% ¹¹⁰ + 330,000
~~10~~
4,827

Const Fund 4,456,000
 Say 4,800,000

GSA Design 332,300

A&E 7% + (336,000
 GSA review 45,100
 Survey & check 7,100
 Reproduction 7,250
 Invitation 750
 Travel. 2,100

F 347,300
~~say 400,000~~

GSA Management 194,900

Supervision 187,500
 material test 5,000
 travel 2,900
~~say~~ F 194,900
~~200,000~~ 5,400

TOTAL PROJECT = F 4,983,700

\$110 + psf.
 45 11910
~~45~~
~~45~~
~~45~~
~~30~~

ESTIMATE COMPUTER CENTER

DEMOLITION.

Remove ceiling 45000 ft @ 10¢ wgt = 2600 = 90,000lb \$1,500

Remove light fixtures 1@75 ft 600 @ \$50 ea. \$3,000

Remove elec. conduit in clg & floor. 50¢ psf. \$22,500

Remove Doors

Remove partitions metal 45x100 = 4500 @ 50¢ plf. \$22,500
200' ff/1200 ft 100 ft/mo

Remove masonry ptn. 6" = 10500 ft @ 50¢ psf. \$ 8,000
650 lf x 16
500 x 16
= 15300 ft

15,300 ft = 7650 cu ft \approx 300 cubic

43 #/sf = $\frac{7,650}{2,000} \times 43 \approx 330$ ton

Rubbish Hauling = \$ 5200

Masonry rubble = 330 ton @ 10¢ = 8 mile haul. 3300

ceiling 45-ton @ 10¢ = 8 450

Electric 400

Haul lights & partitions to depot
1000
\$ 5150

LGM. Demolition Total = \$65,700

New Ceiling.

Suspended ceiling incl susp.

acoustic & luminous grille & air distrib
1.70 1.05 over 1.00

1200
lighting = 300 psf. (say \$4.80) 45000 x 4.80 + \$210,000

New SPV Perimeter Wells.

Internal, say 300 lin ft.

$300 \times 16 = 4800 \text{ ft}^2$ 8" blk reinf. 300 psf.

\$ 15,000

plaster $\frac{4800 \times 2}{7} = 1100 \text{ sq ft}$ @ 9

\$ 10,000

paint 9600 sq ft @ 20¢

2,000

27,000

New SPV Treatment @ Windows. 1/4" plate

grilles in place.

120 windows.

1/4" plate $5' \times 8' = 40 \text{ ft}^2$. 420 lb. + frame 450 lbs.

\$ 27,000

$120 \times 450 = 54000 \text{ lbs.} = 27 \text{ ton} @ \1000

page total = 110
54 \$ 264,000

Internal partitions

Allow 300 ft. per 6000 ft.

$$45 \div 6 = 7.5 \times 300 = \text{say } 2400 \text{ linft.}$$

$$2400 \times 9\frac{1}{2} = 21,600 \text{ ft.}$$

Also fire barriers 100 linft / 5000 ft. 2 HR.

$$9 \times 100 = 900 \text{ linft.}; 900 \times 16 = 14,400 \text{ ft.}$$

Some duplication,

Assumes 25,000 ft. CWF ftw. @ 140	35,000
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Painting 22000 @ 20¢ (3 coats)	<u>4400</u>
	<u>\$ 39,400</u>

Floors

1 pt every 15' internal ptw.

say 3000 linft. 200 doors @ \$350 each.

7,000

46,400

Repaint exterior walls.

640 linft.

$\frac{300}{940} \text{ say } 1000 \text{ ft} \times 7 = 9000 \text{ ft. patch & paint 20¢}$	1,800
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Subtotal \$48,200

Concluded copy

COMPUTER CENTER CONSOLIDATIONS

Raised Floor:

45,000 Sq. Ft. @ \$4.00 per Sq. Ft.

\$ 200,000

This floor will include Micarta tile, 36" pedestals, stringers,
and supply grilles.

20,000

Ventilation for 500 people X 15 c.f.m. = 6000 c.f.m. Convert A/C for
humidification and ventilation

80,000 - 100,000

Relocated

low

Chilled Water Grid:

500-Ton Chiller, Repipe Mechanical Room

200,000 925,000 high

Air Handlers 25 X \$7,000 $7 \times 25 = \$175,000$

175,000 - 200,000 ?

Cable Trays - 33,000 Linear Feet

\$675,000	225,000	275,000
		\$1,700,000

TOTAL COST

340,000

G&A + 20%

310,000

Profit + 15%	<u>310,000</u>
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TOTAL

\$2,350,000

Relocate entire area to first floor, north side

\$2,800,000

\$450,000 difference

ELECTRICAL ESTIMATE

Quantity	Description	Cost/P.U.	Total
24	42 ckt. Panelboards	\$1,100	\$ 26,400
	Labor		13,200
6	Main Panel Breakers	3,000	18,000
	Labor		9,000
14,400'	4" Conduit (Installed)	10	144,000
14,800'	4 - 500 MCM Cables (Installed)	11 ^{115,600}	158,400 -52,800-
6,900'	4 - 250 MCM Cable (Installed)	5	40,500
	Smoke and Heat Detection		20,000
	Labor		10,000
	<i>Certified instrumentation to monitor environment</i>		100,000
	Halon Extinguisher System		50,000
	Labor		25,000
2,000	125V-15A Receptacles	13	26,000
	Labor		13,000
185	Window Plates (Steel)	65	12,000
	Labor		6,000
22,000'	#1/0 Cable to Receptacles	1	22,000
	Labor		11,000
200	Telephone Receptacles	11	2,200
	Labor		1,100
5,000'	Telephone Cable (Installed)	3	15,000
	15,000 KVA Transformer Capacity 480/208V		20,000
	Labor		10,000
	480V Switchgear		
	4 - AK-2-25 Breakers, & Panel Compartments, & Busing		
	Labor	778,000	17,000
		778,000	8,500
	TOTAL		\$ 572,700
	Expenses & Inflation(20%)		114,600 → 135,700
			\$ 687,300
			814,000
	<i>- 18,000 steel plates.</i>		
	<i>660,300</i>		
	<i>+ 100 over</i>		
	<i>760,000</i>		

ADDITIONAL COST FOR NORTH END

Quantity	Description	Cost/P. U.	Total
2,150'	3-750 MCM Cable (Installed)	\$ 12	\$ 27,800
650'	5" Conduit (Installed)	14	9,100
1	HV Switchgear & Cabinet		<u>25,100</u>
	TOTAL		\$ 62,000
C Vault Expansion			<u>300,000</u>
	SUBTOTAL		\$ 362,000
	Expenses & Inflation(20%)		<u>72,400</u>
	TOTAL		\$ 434,400

North cost diff.

A/C	450,000
Elect	<u>362,</u>
	712,000 say
Contractor @ 35%	<u>105</u>
	805
Conting. @ 10%	<u>80</u>
	885
say	300
GSA @ 20%	<u>180</u>
	1080
	\$ay 1,100,000